

SCHULTZ, H.
//ATOMKERNERGIE.//
--/-1973, V0021, N0002, pp 0145-0148
Isopleths of dose of external radiation
following hypothetical reactor hazards
with emission of noble gases.
TIC-ORNL-TR-2856

19-Nov-74

UncI (ORNL-tr--2856) Isopleths of dose of external γ -radiation following hypothetical reactor hazards with emission of noble gases. SCHULTZ, H.; VOELZ, E. Translated by R.G. Mansfield from Atomkernenergie; 21: No. 2, 145-148(1973). 6p. Dep. NTIS \$4.00.

06R health and safety; 18I reactor hazards; translations
MN-41 P NSA

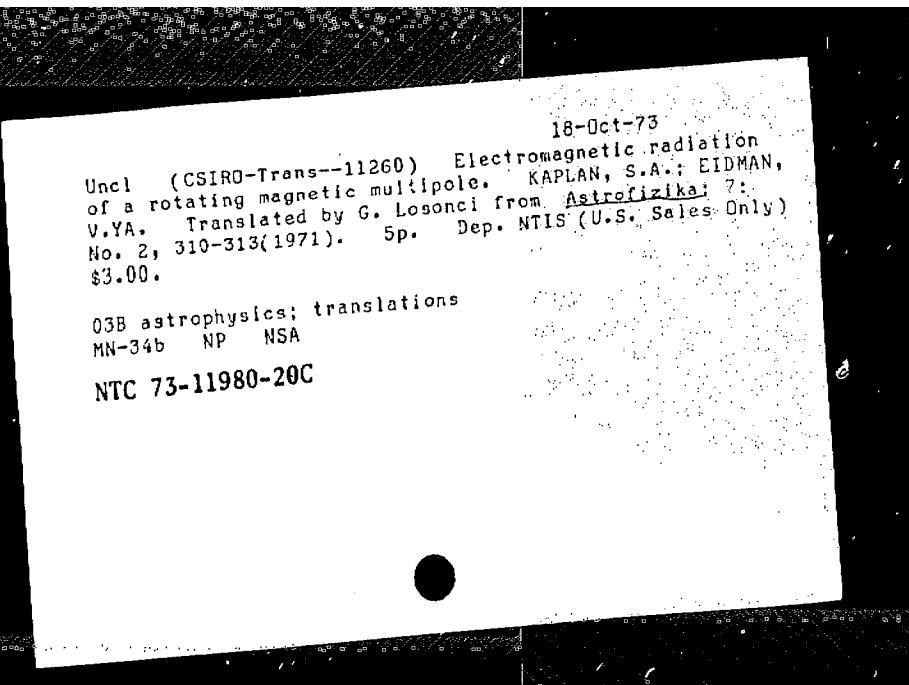
EICKELPASCH, N.
//ATOMKERNENERGIE.//
--/1965, V0010, V005-6, pp 0187-0190
Nuclear safety in the design of power
reactors.//
TIC-ORNL-TR
TIC-ORNL-TR-930

UncI (ORNL-tr--930) Nuclear safety in the design of power reactors. EICKELPASCH, N. Translated from Atomkernenergie 10: No. 5-6, 187-190(1965). 15p.
Dep. NTIS \$3.00.

18I reactor control; 18I reactor engineering; 18I reactor safety; 18L reactors-power; translations
MN-80 P NSA

revision

KAPLAN, S. A.
//ASTROFIZIKA.//
--/1971, V0007, N0002, pp 0310-0313
Electromagnetic radiation of a rotating
magnetic multipole.
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TIC-CSIRO = TRANS-11260



DUOMARCO, J.

//ARCH. URUG. MED. CIR. ESPEC.//

--/-/1937, V0010, N----, pp 0599-0606

Investigations of physio-pathology of
respiration. IV. Prolongation ~~eg~~ of the
dead space as a practical means of obtaining
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TIC-LF-TR-57

20-Aug-73

UncI (LF-tr--57) Investigations of physio-pathology
of respiration. IV. Prolongation of the dead space as
a practical means of obtaining hyperventilation.
DUOMARCO, J.; DIAZ-ROMERO, C. Translated by A. Valdivia
(Lovelace Foundation for Medical Education and Research,
Albuquerque, N. Mex. from Arch. Urug. Med., Cir. Espec.;
10: 599-606(1937). 5p. Dep. NTIS \$3.00.

06 biomed; translations
MN-48 P NSA

BERNHARD, F.
//ATOMPRAXIS//
--/-/1960, V0006, N----, pp 0154-0158
Process for the determination of the degree
of enrichment of uranium-235 from the
activities of uranium isotopes.
TIC-K-TRANS-65

25-Jul-73

Uncl (K-Trans--65) Process for the determination of
the degree of enrichment of uranium-235 from the α
activities of uranium isotopes. BERNHARD, F.;
BLUMENTRITT, G.; SCHINTLMEISTER, J. Translated from
Atompraxis; 6: 154-158(1960). 10p. Dep. NTIS \$3.00.

07 chemistry (analytical); translations
MN-4 P NSA

AYUKHANOV, A. KH.
//ATOMNYE STOLKNOVENIYA NA PEVERKHNOSTI

TVERDOGO TELA.//

--/---, V----, N----, pp.

Atomic collisions on the surface of a solid body.

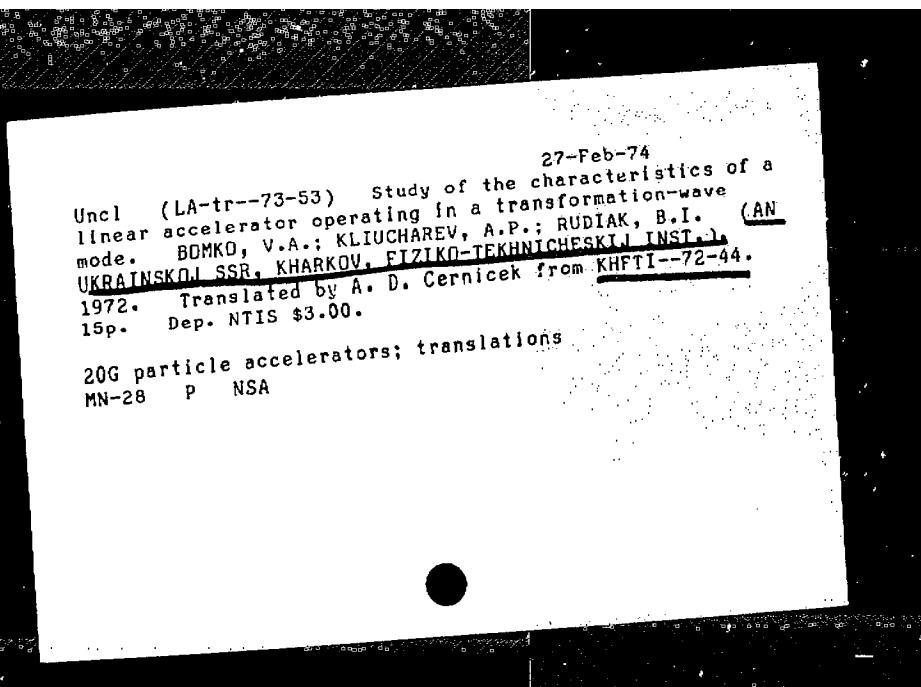
TIC-ORNL-TR-2815

25-Jul-74

Uncl (URNL-tr--2815) Atomic collisions on the surface
of a solid body. AYUKHANOV, A.KH. (ED.). (AN)
UZBEKSKOJ SSR, TASHKENT. INST. EHLEKTRONIKI). [nd].
Translation of Atomnye stolknoveniya na poverkhnosti
tverdogo tela, Izdatel'stvo FAN Uzbekskoi SSR, Tashkent,
1972. 117p. Dep. NTIS \$9.00.

20L physics (solid-state); translations
MN-34 P NSA

BOMKO, V. A.
//UKRAINSKOJ SSR, KHARKOV. FIZIKI -TEKHNICHESKIJ
INST//
--/--/1972, V----, N----, pp.
Study of the characteristics of a ~~mees~~ linear
accelerator operating in a transformation-wave
mode.
TIC-LA-TR-73-53



SOKOLOV, V. E.

//BYULL MOSK. OBSHCH. ISPYT. PRIR., OTD. BIOL//

--/--/1955, V0060, N0006, pp 0045-0060

Structure of the integument of certain cetaceans.

AEC-NRC-TT-1627

18-May-73

Unc^l (NRC-TT--1627) Structure of the Integument of
certain Cetaceans. SOKOLOV, V.E. Translated by H.R.
Hayes (National Research Council of Canada) from Byull.
Mosk. Obshch. Ispyt. Prir., Otd. Biol.; 60: No. 6, 45
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06 biomed; translations
MN-48 NP NSA

LOTT, M.

//BULL. INFORM. SCI. TECH. //

--/--/1973,V----,NO181, pp 0051-0059

Calorimetric measurements of the energy released
by ^{235}U fission products for decay times between
70 and 7.16 seconds.

TIC-LA-TR-74-1

4-Feb-74

Uncl (LA-tr--74-1) Calorimetric measurements of the energy released by ^{235}U fission products for decay times between 70 and 7.16⁶ seconds. LOTTI, M.; LHIAUBET, G.; DUFRECHE, F.; DEVILLERS, C.; DE TOURREIL, R. Translated by A. Vakar and J. Yarnell from full. Inform. Sci. Tech. (Paris); No. 181, 51-59(1973). 20p. Dep. NTIS \$3.00.

18K reactor physics; translations
MN-60 p NSA

KIEFFER, R.
//BER. DEUT. KERAM. GES//
--/--/1969, V0046, N0009, pp 0486-0492
L Cermets: new developments
AEC-UCRL-TRANS-10673

Uncl (UCRL-Trans--10673) Cermets: new developments.
Kieffer, R.; Eipeltauer, E.; Gugel, E. Translated from
Ber. Deut. Keram. Ges.; 46: No. 9, 486-492(1969). 24p.
Dep. NTIS.

11B ceramics; 11F metallurgy; translations
MN-25 P NSA
N7C 73-12467

LAVIELLE, L.

//BULL. SOC. CHIM FR.//

--/--/1973, V----, N0006, pp.

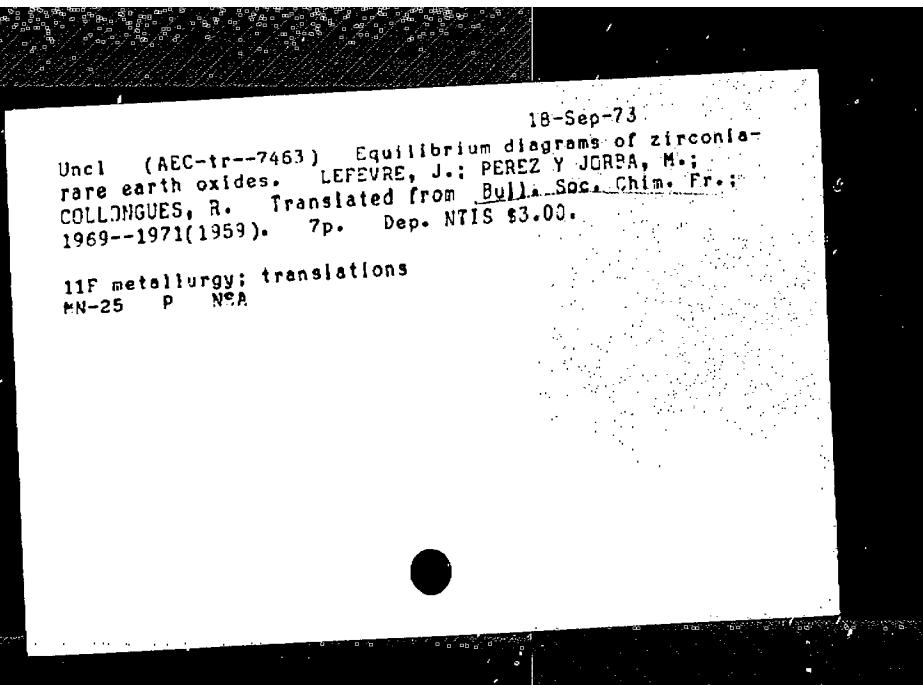
Solid state interaction between alkaline oxide
M₂O (M=Na,Li) and the oxide of chromium III.
TIC-BNWL-TR-102

UncI (BNWL-tr-102) Solid-state interaction between
alkaline oxide M_2O ($M=Na, Li$) and the oxide of chromium
III. LAVIELLE, L.; KESSLER, H.; HATTERER, A.
Translated by E.R. Appleby from Bull. Soc. Chim. Fr.; No.
6, 1919-1921(1973). 11p. Dep. NTIS \$3.00.

07B chemistry (inorganic); 18J reactor materials;
translations
MN-4 P NSA

revision

LAFEVRE, J.
//BULL. SOC. CHIM. FR.//
--/--/1971, V----, N----, pp
Equilibrium diagrams of zirconia- rare earth oxides.
AEC-TR-7463



LAURO, R.
//BOLL. SOC. ITAL. BIOL SPER.//
--/--/1967, V0043, N0010, pp 0578-0581
Observations on distribution and metabolism
of T₃ ¹²⁵I in man
AEC-NCR-TT-1618

AIC
Uncl (NRC-TT--1618) Observations on the distribution
and metabolism of T_3 -- ^{125}I in man. Léuro, R.; Doglio,
R.; Dogliotti, L.; Negri, G.L. Translated by Y. Peluso
from Boll. Soc. Ital. Biol. Sper.: 43: No. 10, 578
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CG biomed; translations
MN-48 NP NSA

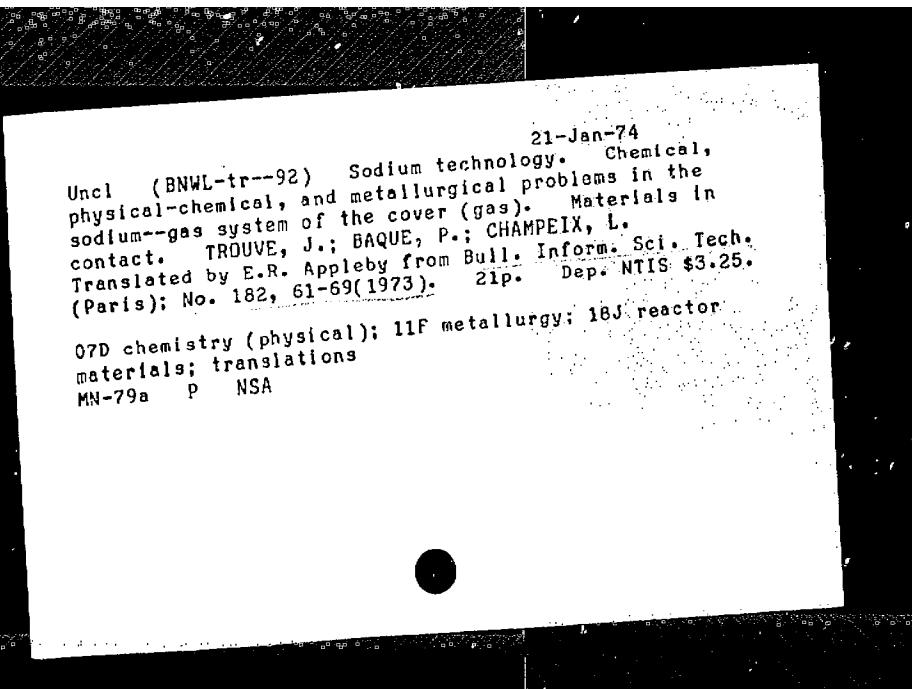
DOGLIC, R.
//BOLL. SOC. ITAL. BIOL. SPER.//
--/--/1967, V0043, N0010, pp 0574-0578
Distribution and metabolism of T-125I
and T3 --125I in rats.
AEC-TT-1617

HIC

UncI (NRC-TT--1617) Distribution and metabolism of T₄-¹²⁵I and T₃--¹²⁵I in rats. Doglio, R.; Dogliotti, L.; Fonzo, D.; Bajardi, P.; Mussa, A.; Lauro, R. Translated by Y. Peluso from Boll. Soc. Ital. Biol. Sper.; 43: No. 10, 574-578(1967). 11p. Dep. NTIS (U.S. Sales Only).

06 biomed; translations
MN-48 NP NSA

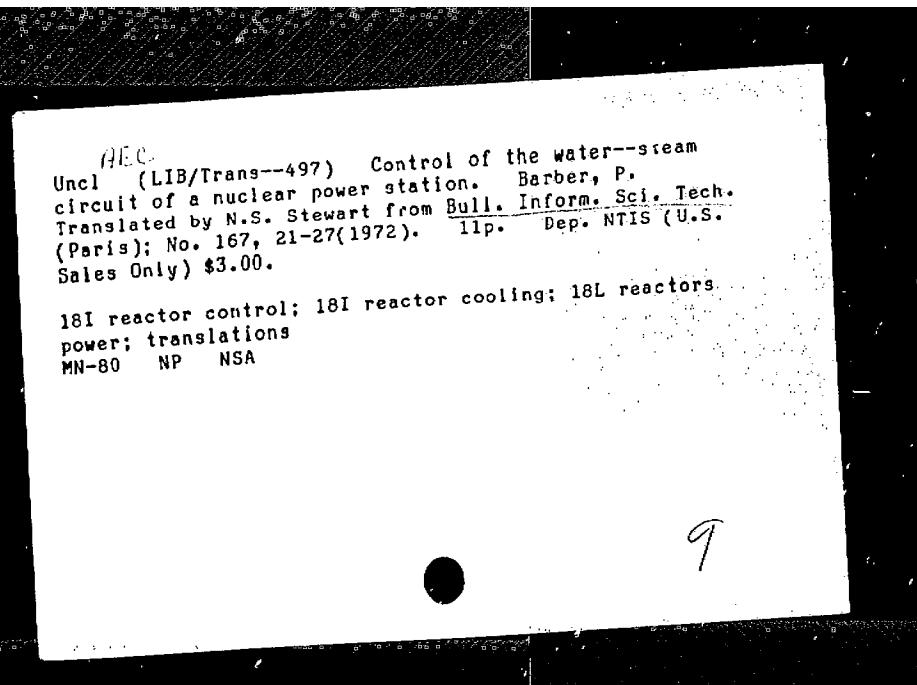
TROUVE, J.
//BULL INFORM. SCI. TECH//
--/-1973, V0000, N0182, pp 0061-0069
Sodium technology. Chemical, physical-chemical,
and metallurgical problems in the sodium--gas syst
system of the cover (gas). Materials in contact.
TIC-BNWL-TR-92



6-May-74
Uncl (AEC-tr--7532) Oklo phenomenon. NAUDET, M.
Translated from Bull. Inform. CETAMA; No. 4, 48-51(Nov
1973). 6p. Dep. NTIS \$4.00.
07 chemistry (analytical); 8G geology; translations
MN-11 P NSA

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//BULL INFORM. CETAMA//
--/Nov/1973,V0000,N0004, pp 0048-0051
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BARBER, P.
//BULL. INFORM. SCI. TECH//
--/--/1972, V0000, N0167, pp 0021-0027
Control of the water--steam circuit of a
nuclear power station.
AEC- LIB/TRANS- 497



HOPF, E.
//BER. VERH. SAECHS. AKAD. WISS. LEIPZIG,
MATH.-NATURWISS.//
22/3/1942, V6694, N0000, pp. 0024
Branching of a periodic solution from a
stationary solution of a differential system.
TIC-LA-TR-73-26

11-Oct-73

Uncl (LA-tr--73-26) Branching of a periodic solution
from a stationary solution of a differential system.
HOPF, E. Translated from Ber. Verh. Saechs. Akad.
Wiss. Leipzig, Math.-Naturwiss. Kl.; 94: 3-22(1942).
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12 mathematics; translations
MN-32 P NSA

GRANACHER, J.
//ARCH EISENHUETTENW//
--/--/1972, V0043, N0009, pp 0699-0704
Examination of methods for extrapolating
rupture strength of heat resistant steels.
TIC-ORNL-TR-2757

2-May-74
Uncl (ORNL-tr--2757) Examination of methods for extrapolating rupture strength of heat resistant steels.
GRANACHER, J.; WIEGAND, H. Translated by R.G. Mansfield from Arch. Eisenhuettenw.; 43: No. 9, 699-704(1972).
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From International meeting on properties of high temperature steels; Dusseldorf, F.R. Germany (3 May 1972).

11F metallurgy; translations
MN-25 P NSA

SOBOTKA, J.
//ARCH. EISENHUETTENW//
--/1972, V0043, N0005, pp 0427-0429
Stress-rupture of weld metal in the weld seams
of low-alloy temperature-stabilized.
TIC-ORNL-TR-2752

13-Mar-74
Uncl (ORNL-tr--2752) Stress-rupture of weld metal in
the weld seams of low-alloy temperature-stabilized
steels. SOBOTKA, J.; PRNKA, T. Translated by Robert
H. Kernahan from Arch. Eisenhuettenw.; 43; No. 5; 427-
429(1972). 5p. Dep. NTIS \$3.00.

11F metallurgy; translations
MN-25 P NSA

RUTTMAN, W.

//ARCH. EISENHUTTENW//

--/--/1967, V0038, V0004, pp 0301-0307

Effect of the stabilization austenitic high-temperation-strength steel with about 16 percent Cr, 13 to 16 percent Ni, 2 percent Mo, and addition of niobium.

TIC-ORNL-TR-2753

27-Feb-74

Unci (ORNL-tr--2753) Effect of the stabilization ratio on the creep and precipitation behavior of austenitic high-temperature-strength steel with about 16 percent Cr, 13 to 16 percent Ni, 2 percent Mo, and addition of niobium. RUTTMAN, W.; GERLACH, H.; KAUTZ, H.R. Translated by E. G. Silver from Arch. Eisenhuettenw., 38, No. 4, 301-307 (Apr 1967). 27p. Dep. NTIS \$3.50.

11F metallurgy; translations
MN-25 P NSA

Uncl (UCRL-Trans--1486(Pt.1)) Incorporation
experiments in synthetic mullite. Part I. Gelsdorf,
G.; Schwiete, H.-E. Translated for Univ. of California,
Lawrence Berkeley Lab., Berkeley, from Arch.
Eisenhuettenw.; 27: No. 12, 807-811(1956) 8p. Dep.
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11F metallurgy; translations
MN-25 P NSA

GEISDORF, G.
//ARCH EISENHUETTENW//
--/--/1956, V0027, N0012, pp 0807-0811
Incorporation experiments in synthetic
mullite. Part I
AEC-UCRL-TRANS-1486

26-Nov-73

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Dermatol. Forsch.; 245: 229-244(1972). 18p. Dep.
NTIS \$3.00.

06 biomed; translations
MN-48 P NSA

HUNDEIKER, M.
//ARCH DERMATOL. FORSCH.//
--/--/1972, V0245, N----, pp 0229-0244
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testes.
TIC-BNWL-TR-90

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PARILIS, E. S.
//AN UZBEKSOJ SSR, TASHKENT. INST EHLEKTRONIKI//
--/--/1969, V----, N----, pp.
Auger effect
TIC-ORNL-TR-2814

1-Jul-74

Uncl (ORNL-tr--2814) Auger effect. PARILIS, E.S.
(AN UZBEKSKOJ SSR, TASHKENT. INST. EHLEKTRONIKI). 1969.
Translated from Russian. 146p. Dep. NTIS \$10.50.

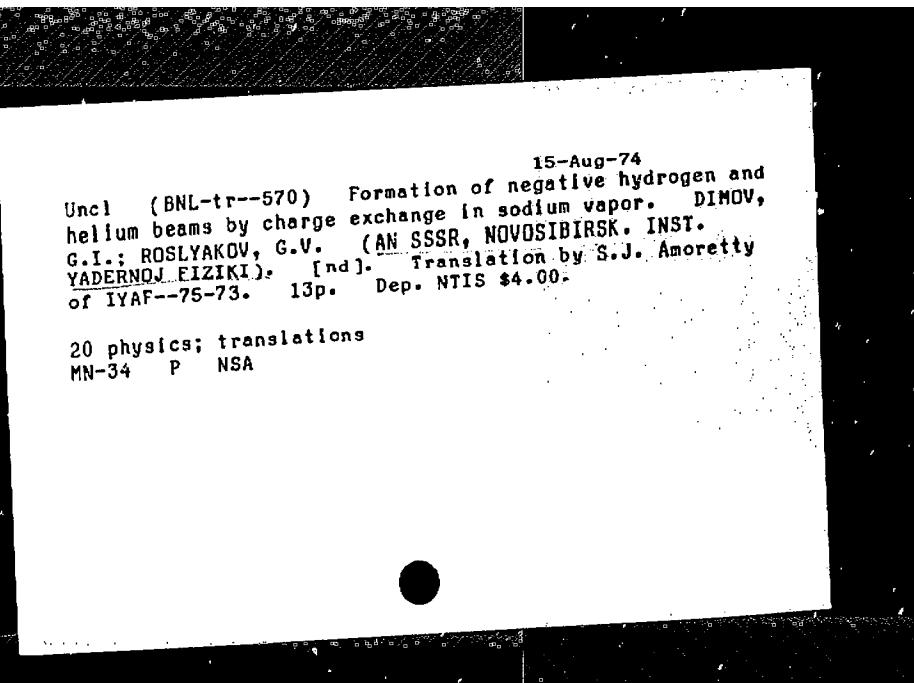
20H physics (nuclear); translations
MN-34e P NSA

15-Aug-74

Uncl (BNL-tr--568) 20-mA injector of H- ions.
DIMOV, G.I.; ROLYAKOV, G.V. (AN SSSR, NOVOSIBIRSK.
INST. YADERNOJ FIZIKI). [nd]. Translation by S.J.
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20G particle accelerators; translations
MN-28 P NSA

DIMOV, G. I.
//AN SSR NOVOSIBIRSK INST. YADERNOJ FIZIKI//
--/-/--, V----, N----, pp.
20-mA injector of H- ions.
TIC-BNL-TR-68
TIC-BNL-TR-568



DIMOV, G. I.
//AN SSSR, NOVOSIBIRSK. INST. YADERNOJ FIZIKI//
--/-/-, V----, N----, pp.
Formation of negative hydrogen and helium beams
by charge exchange in sodium vapor.
TIC-BNL-TR-570

1-Oct-74

Unc1 (ORNL-tr--2798) "Cascade" program for
modelling the interaction of high-energy photons with
atomic nuclei. EMETS, N.L.; LUBARSKI, G.YA.; RANYUK,
YU.N.; SOROKIN, P.V. (AN UKRAINSKOJ SSR, KHARKOV,
FIZIKO-TEKHNICHESKIJ INST.). [nd]. Translation of
KHFTI--72-37. 13p. Dep. NTIS \$4.00.

09B computers; 20H physics (particle); translations
MN-34d P NSA

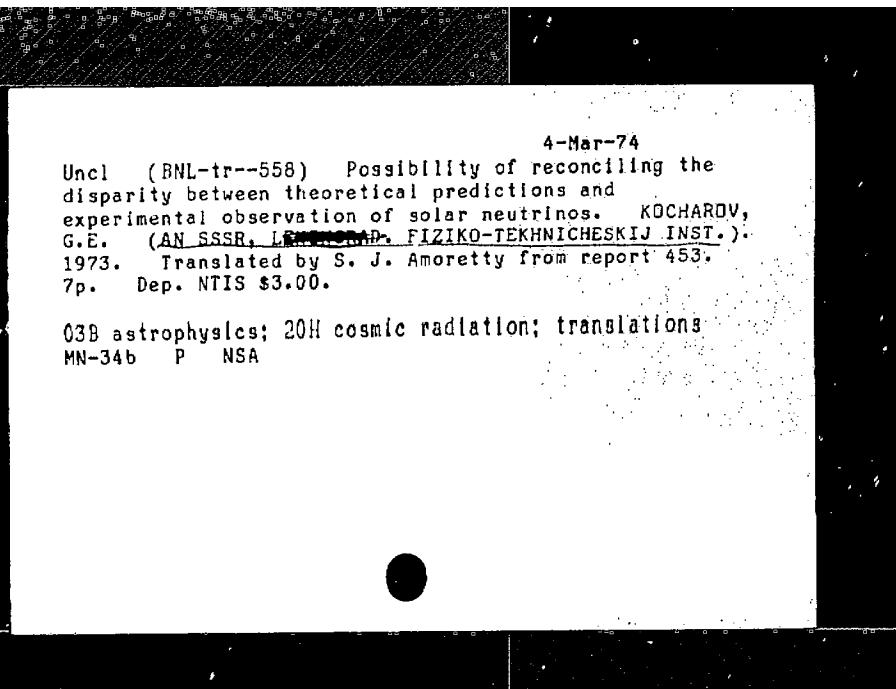
LUBARSKI, G. YA.
//AN UKRAINSOJ SSR, KHARKOV. FIZIKI-TEKHNICHESKIJ
INST.//
--/-/-, V----, N----, pp;
"Cascade" program for modelling the interaction
of high-energy photons with atomic nuclei.
TIC-ORNL-TR-2798

Uncl (SLA-73-6003) Research on the parameters and dynamics of laser plasma. Boiko, V.A.; Krokhin, O.N.; Skilizkov, G.V. (AN SSSR, Moscow. Fizicheskij Inst.). Translation of Preprint No. 121 Sep 1973. 94p. Dep. NTIS \$6.75.

physics (plasma); translations 201

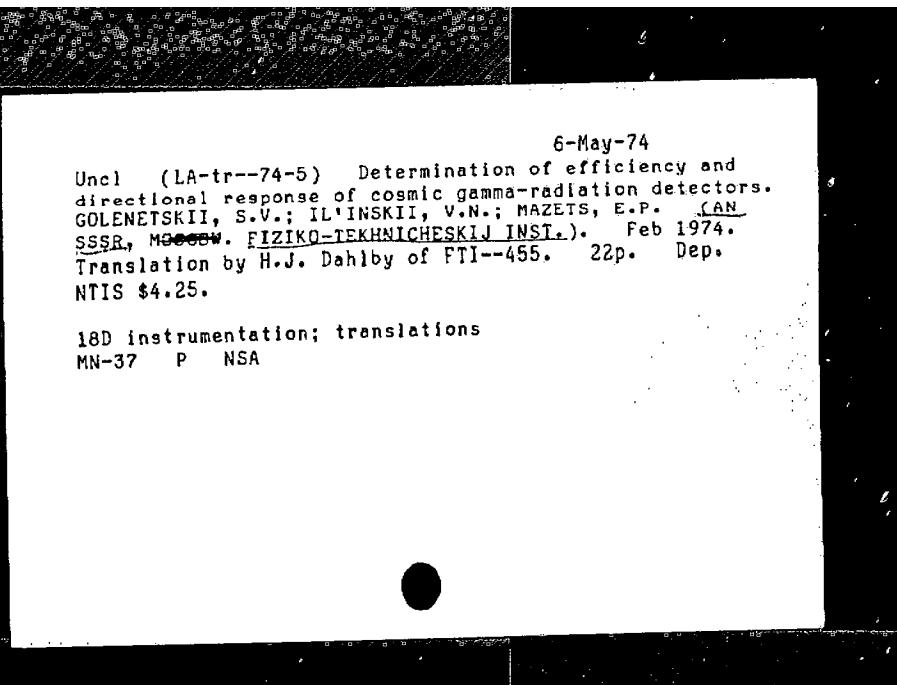
NN-20 P NSA

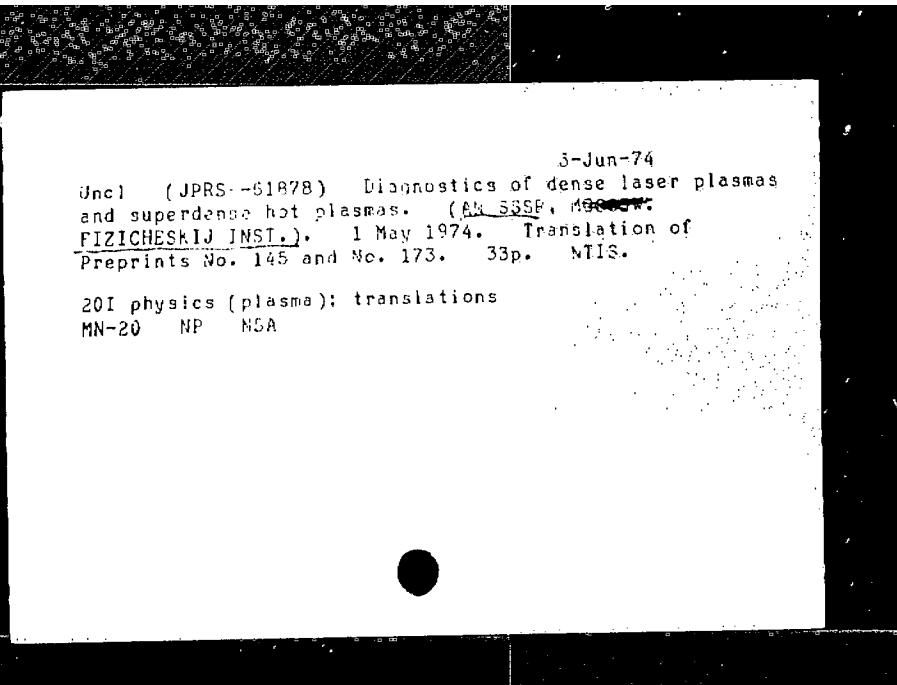
BOIKO, V. A.
//AN SSSR, MOSCOW. FIZICHESKIJ INST.//
--/Sep/1973,V----,NO121, pp.
Research on the parameters and dynamics of
laser plasma.
TIC-SLA-73-6003



KOCHAROV, G,
KOCHAROV, G. E.
//AN SSSR, FIZIKO-TEKNICHESKIJ INST.//
--/-1973,V----,N----, pp.
Possibility of reconciling the disparity
between theoretical predictions and
experimental obervation of solar neutrinos.
TIC-BNL-TR-558

GOLENETS IK
GOLENETSKII, S.V.
//AN SSSR, FIZIKI-TEKHNICHESKIJ.//
--/Feb/1974, V----, N----, pp.
Determination of efficiency and directional
response of cosmic gamma-radiation detectors.
TIC-LA-TR-74-5





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//AN SSSR, FIZICHESKIJ INST, //

1/May/1974, V----, N----, pp.

Diagnostics of dense laser plasma and superdense hot plasma.

TIC-JPRS-61878

30-Nov-73

Uncl (BNL-tr--547) Production of radiation by a charged particle moving through a continuous periodic medium. GARIBYAN, G.M.; YANG, C. (AN ARMYANSKOJ SSR, KEDR N. INST. FIZIKI). 1973. Translated by S.J. Amoretti from EFI--16(73). 36p. Dep. NTIS \$4.00.

20 physics; translations
MN-34 P NSA

GARIBYAN, G. M.

//AN ARMYANSKOJ SSR, INST. FIZIKI//

--/-/1973,V----,N----, pp.

Production of radiation by a charge particle
moving through a continuous periodic medium/

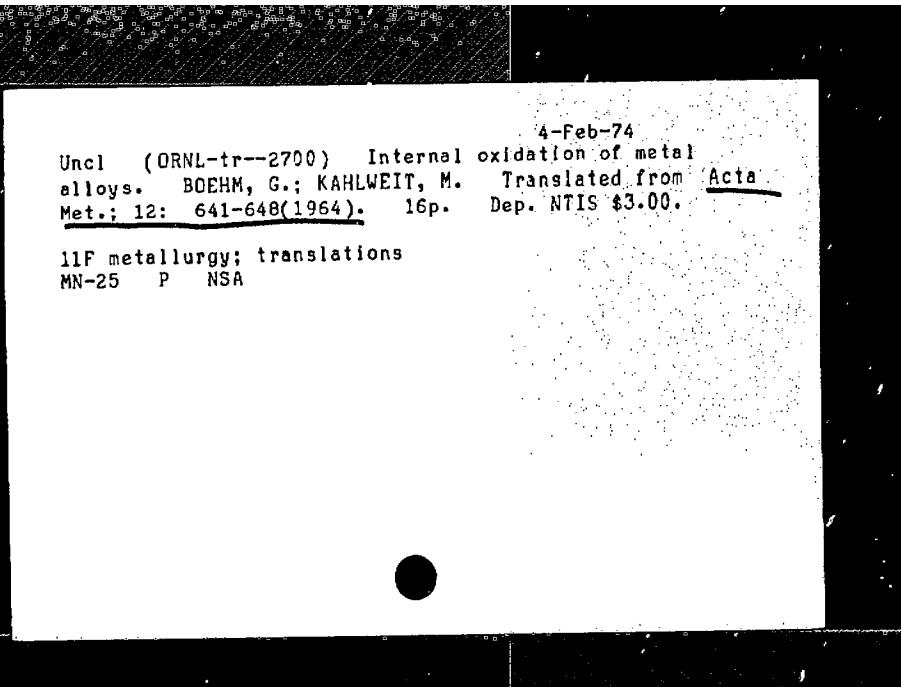
TIC-BNL-TR-547

PICARD, J.
//ANN BIOL. CLIN.//
--/1973, V0031, N0002, pp 0077-0086
Structure of normal and pathological lipoproteins.
AEC-UCRL-TRANS-1C712

21-Nov-74
UncI (UCRL-Trans--10712) Structure of normal and
pathological lipoproteins. PICARD, J.; VEISSIERE, D.;
AYRAULT-JARRIER, M. Translated from Ann. Biol. Clin.
(Paris); 31: No. 2, 77-86(1973). 25p. Dep. NTIS
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06 biomed; 07C chemistry (organic); translations
MN-4 P NSA

BOEHM, G.
//ACTA MET.//
--/--/1964, V0012, N----, pp 0642-0648
Internal oxidation of metal alloys.
TIC-ORNL-TR-2700



16-Aug-73

Unc1 (LA-tr--73-21) Pulse fluorometry: a new flow process for ultra-quick quantitative analysis of cell components. GOEHDE, W.; DITTRICH, W. Translated from Acta Histochem. Suppl.; No. 10, 429-437(1971). 13p.
Dep. NTIS \$3.00.

06 biomed; translations
MN-4B P NSA

GOEHDE, W.
//ACTA HISTOCHEN.SUPPL.//
--/-/-, V----, N0010, pp 0429-0437
Pulse fluorometry: a new flow process for
ultra-quick quantitative analysis of cell
components.
TIC-LA -TR-73-21

CLEMENT, G.

//ACTA ELECTRON.//

--/--/1972, V0015, N0004, pp 0369-0371

Microchannel licoscope: a high temporal
resolution sweep tube for study of light
phenomena in the subnanosecond range.

TIC-UCRL-TRANS-10706

18-Oct-73

Uncl (UCRL-Trans--10706) Microchannel Picoscope: a high temporal resolution sweep tube for study of light phenomena in the subnanosecond range. CLEMENT, G.; DELMARE, C.; LOTY, C. Translated from Acta Electron.; 15: No. 4, 369-371(1972). 7p. Dep. NTIS \$3.00.

09 electronics and electrical engineering; translations
MN-38 P NSA

GUINIER, A.
//ACTA CRYSTALLOGR.//
--/---/1952, V0005, N----, pp 0121-0129
Interpretation of abnormal scattering of x
rays by age-hardening alloys.
TIC-ORNL-TR-2639

15-Aug-73

Uncl (ORNL-trr-2639) Interpretation of abnormal
scattering of x rays by age-hardening alloys. GUINIER,
A. Translated by R.G. Mansfield from Acta Crystallogr.:
S: 121-129(1952). 32p. Dep. NTIS \$3.75.

20B crystallography; translations
MN-34 P NSA

WITTENBERGER, K.
//ACTA BIOTHEOR.//
---/---/1958, V0018, N----, pp 0087-0103
Physiological aspect of evolution.
TIC-ORNL-TR-2820

8-Aug-74

Uncl (ORNL-tr--2820) Physiological aspect of
evolution. WITTENBERGER, K. Translated by R. G.
Mansfield from Acta Biotheor.; 13: 87-103(1958). 14p.
Dep. NTIS \$4.00.

06 biomech; translations
MN-48 P NSA

KUHN, E.
//ACQUA IND.//
--/--/1966, v0008, N0041, pp 0006-0012
Hydrazine in boiler water.
AEC-TR-7517

13-Mar-74

Uncl (AEC-tr--7517) Hydrazine in boiler water.
KUHN, E. Translated from Acqua Inds; 8: No. 41, 6-
12(1966). 14p. Dep. NTIS \$3.00.

11F corrosion; 13 engineering; translations
MN-38 P NSA

BUDKER, G. I.
//AKADEMIYA NAUK SSSR, NOVOSIBIRSK. INSTITUT
YADERNOI FIZIKI//
--/-1973,V----,N----, pp.
Experiments in confining a plasma in a
multimirror magnetic trap.
TIC-MATT-TRANS-108

23-Aug-73

UncI (MATT-Trans--108) Experiments in confining a plasma in a multimirror magnetic trap. BUDKER, G.I.; DANILOV, V.V.; KRUGLYAKOV, E.P.; RYUTOV, D.D.; SHUN'KO, E.V. (AKADEMIYA NAUK SSSR, NOVOSIBIRSK, INSTITUT YADERNOI FIZIKI)... 1973. Translation of IYAF--22-73. 32p. Dep. NTIS \$3.75.

18A fusion devices (thermonuclear); translations
MN-20 P NSA

Unclassified (SLAC-Trans--151) Collective instability of compensated colliding beams. Derbenev, Ya.S. (AKADEMIYA NAUK SSSR, NOVOSIBIRSK, INSTITUT YADERNOI FIZIKI). Translation of IYAF--70-72. CONF-721029--5.

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From 3. all-union national conference on particle accelerators; Moscow, USSR (2 Oct 1972).

20G particle accelerators; translations
MN-28 P NSA

DERBENEV, YA. S.
//AKADEMIYA NAUK SSSR, NOVOSIBISK. INSTITUT
YADERNOI FIZIKI//
--/-1972,V----,N----, pp.
Collective instability of compensated colliding
beams.
AEC-SLAC-TRANS-151

HIC
Uncl (SLAC-Trans--152) Phase effects of interacting
colliding bunches in strong-focussing storage rings.
Derbenev, Ya.S.; Skrinskii, A.N. (AKADEMIYA NAUK SSSR,
NOVOSIBIRSK. INSTITUT YADERNOI FIZIKI). Translation of
IYAF--71-72. CONF-721029--6. 1972. 10p. Dep. NTIS

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accelerators; Moscow, USSR (2 Oct 1972).

20G particle accelerators; translations
MN-28 P NSA

DERBENVE, YA. S.
//AKADEMIYA NAUK SSSR, NOVOSIBIRSK. INSTITUT Y
YADERNOI FIZIKI//
--/-/1972,V----,N----, pp.
Phase effects of interacting colliding bunches
in strong-focussing storage rings.
AEC-SLAC-TRANS-152

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